

SWP Water Quality Summary

December 10 to December 17, 2008

Electrical Conductivity: Concentrations decreased at Banks Pumping Plant (BPP), Check 29, Check 41 and Vallecitos, but increased at Devil Canyon and Barker Slough from December 10 to December 17, 2008. Concentrations ranged from 212 $\mu\text{S}/\text{cm}$ to 717 $\mu\text{S}/\text{cm}$, but remained below the Article 19 Monthly Average Objective of 440 mg/L (733 $\mu\text{S}/\text{cm}$). Daily average concentrations varied at all the locations. As of December 17, 2008, the lowest and highest concentrations of 230 $\mu\text{S}/\text{cm}$ and 682 $\mu\text{S}/\text{cm}$ occurred at Barker Slough and BPP, respectively. Concentrations at BPP decreased from 717 $\mu\text{S}/\text{cm}$ to 682 $\mu\text{S}/\text{cm}$ this week.

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations and ranged from 0.05 mg/L to 0.43 mg/L. As of December 17, Barker Slough had the lowest concentration of 0.06 mg/L, followed by Check 29 with 0.13 mg/L while the highest concentration of 0.40 mg/L occurred at BPP. Concentrations at BPP decreased from 0.43 mg/L to 0.40 mg/L as of December 17, 2008.

Turbidity: Turbidity levels increased at BPP, Check 41 and Barker Slough, but decreased at Check 29 and Devil Canyon. Turbidity levels ranged from 0.23 NTU to 30 NTU this week. On December 17, 2008, the lowest level of .23 NTU occurred at Check 29 while the highest level of 30 NTU occurred at Barker Slough. BPP mean daily turbidity levels increased from 4NTU to 8 NTU, as of December 17, 2008

Dissolved Organic Carbon (DOC): Concentrations increased at BPP and Check 13, from 2.8 mg/L to 2.9 mg/L and from 2.6 mg/L to 2.7 mg/L, but decreased at Edmonston, from 2.2 mg/L to 1.6 mg/L, as of December 17, 2008.

Taste and Odor Compounds: MIB and geosmin remain low project-wide, ranging from non-detect to 5 ng/L at Clifton Court Inlet and BPP.

Note:

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from any of the 15 automated stations along the SWP, visit:

<http://www.womwq.water.ca.gov> and click the "Autostation Data" link on the left side navigation bar.